

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
25 September 2003 (25.09.2003)

PCT

(10) International Publication Number  
WO 03/079667 A1

(51) International Patent Classification<sup>7</sup>: H04N 1/387,  
G06T 3/00

(21) International Application Number: PCT/US03/07785

(22) International Filing Date: 14 March 2003 (14.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/364,492 15 March 2002 (15.03.2002) US

(71) Applicant (for all designated States except US): ARC-  
TURUS ENGINEERING, INC. [US/US]; 400 Logue Av-  
enue, Mountain View, CA 94043-4019 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ERLANDER,  
Mark, G. [US/US]; 442 Hillcrest Drive, Encinitas, CA  
92024 (US). SALUNGA, Ranelle, C. [US/US]; 2036-80  
Coolidge Street, San Diego, CA 92111 (US). KUNI-  
TAKE, Steven, T. [US/US]; 153 Exeter Avenue, San

Carlos, CA 94070 (US). YOU, Liang [US/US]; 2286  
15th Avenue, San Francisco, CA 94116 (US). TAYLOR,  
Theresa [US/US]; 2530 Friedland Place, #100, Raleigh,  
North CA 27617 (US).

(74) Agent: LAU, Kawai; Morrison & Foerster LLP, 3811 Val-  
ley Centre Drive, Suite 500, San Diego, CA 92130-2332  
(US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.

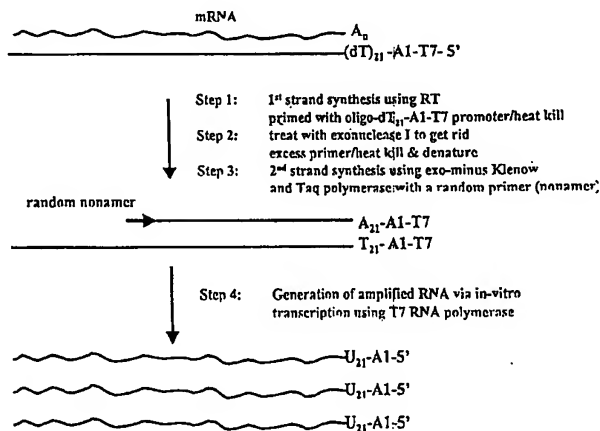
(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: IMPROVED NUCLEIC ACID AMPLIFICATION

## RNA Amplification Method

### ROUND ONE:



(57) Abstract: A method of processing images includes the steps of retrieving a source image file including pixel data, creating a destination image file buffer, mapping the pixel data from the source image file to the destination image file buffer, and outputting pixel data from the destination image file buffer as a destination image file. The step of mapping pixel data from the source image file to the destination image file buffer can include the step of interpolating the source image pixel data to produce pixel data for the destination image file buffer. Border pixel data can be added to the source image file to improve the efficiency interpolation step. The source image file can be a panoramic projection image file, and can include pixel data from a plurality of images. An apparatus for processing images in accordance with the method is also provided.

WO 03/079667 A1



**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*